CLINICAL TOXICOLOGY, 18(12), pp. 1551-1563 (1981)

Collective Contents to Volume 18

Volume 18 Number 1 1981

B. W. HALSTEAD: Current Status of Marine Biotoxicology–An Overview 1

O. P. SHARMA, H. P. S. MAKKAR, R. N. PAL, AND S. S. NEGI: Fragility of Erythrocytes in Animals Affected by Lantana Poisoning. 25

F. A. SIMON AND J. J. TREUTING: Nonaccidental Poisoning in a Two-Month-Old Child 37

N. WOLFSON, J. RILEY, B. SAMUELS, AND J. M. SINGH: Clinical Toxicology of Clotrimazole When Administered Vaginally 41

M. D. REUBER: Carcinogenicity of Dichlorvos 47

R. D. BUDD AND W. J. LEUNG: Mass Screening and Confirmation of Phencyclidine (PCP) in Urine by Radioimmunoassay/TLC 85

R. D. BUDD: Amphetamine EMIT–Structure Versus Reactivity . 91

J. T. SLATTERY, J. R. KOUP, AND G. LEVY: Acetaminophen Pharmacokinetics after Overdose 111

H. E. HURST AND C. H. JARBOE: Clinical Findings, Elimination Pharmacokinetics, and Tissue Drug Concentrations Following a Fatal Amitriptyline Intoxication 119

Volume 18 Number 2 1981

G. A. VERPOOTEN, M. E. DE BROE, AND E. J. MOERMAN: The Effect of Charcoal Hemoperfusion on the Catecholamine Levels in Severely Intoxicated Patients 127

E. G. COMSTOCK: Noninteractive Emergency Consultation for Acute Intoxication 133

A. POKLIS AND G. E. GANTNER: Drug Deaths in St. Louis City and County: A Brief Survey, 1977-1979 141

C. F. COBB, J. S. GAVALER, AND D. H. VAN THIEL: Is Ethanol a Testicular Toxin? 149

R. A. FASOLI AND F. L. GLAUSER: Cardiac Arrhythmias and ECG Abnormalities in Tricyclic Antidepressant Overdose 155

K. L. HARRISON AND A. G. ROBINSON: The Effect of Maternal Smoking on Carboxyhemoglobin Levels and Acid-Base Balance of the Fetus 165

P. M. MATHEW, D. P. ADDY, AND N. WRIGHT: Clonidine Overdose in Children 169

H. N. BHARGAVA: Mechanism of Toxicity and Rationale for Use of the Combination of Pentazocine and Pyribenzamine in Morphine-Dependent Subjects 175

C. JOHNSTON: Cigarette Smoking and the Outcome of Human Pregnancies: A Status Report on the Consequences . 189

W. SNODGRASS, B. H. RUMACK, J. B. SULLIVAN, JR., R. G. PETERSON, H. P. CHASE, E. K. COTTON, AND R. SOKOL: Selenium: Childhood Poisoning and Cystic Fibrosis 211

F. CURRADI, G. ABBRITTI, AND G. ANGELLI: Acute Thrombocytopenia Following Oral Cholecystography with Iopanoic Acid 221

S. OKONEK, H. BIERBACH, AND W. ATZPODIEN: Unexpected Metabolic Acidosis in Severe Lye Poisoning 224

E. G. COMSTOCK: Current Literature on Medical Toxicology . 231

NEWS ITEMS 241

Volume 18 Number 3 1981

W. SNODGRASS, B. H. RUMACK, R. G. PETERSON, AND M. L. HOLBROOK: Salicylate Toxicity Following Therapeutic Doses in Young Children 247

C. L. WINEK, F. W. FOCHTMAN, J. D. BRICKER, AND C. H. WECHT: Fatal Mercuric Chloride Ingestion 261

C. L. WINEK, W. D. COLLOM, AND J. D. BRICKER: A Death Due to 4-Bromo-2,5-dimethoxyamphetamine 267

W. D. E. WELLS, N. WRIGHT, AND W. B. YEOMAN: Clinical Features and Management of Poisoning with 2,4-D and Mecoprop 273

D. R. GIESEKER AND W. G. TROUTMAN: Emergency Induction of Emesis Using Liquid Detergent Products: A Report of 15 Cases 277

W. KLEIN-SCHWARTZ AND G. M. ODERDA: Adsorption of Oral Antidotes for Acetaminophen Poisoning (Methionine and N-Acetylcysteine) by Activated Charcoal 283

P. G. DEXTRAZE, J. FOREMAN, W. C. GRIFFITHS, AND I. DIAMOND: Comparison of an Enzyme Immunoassay and a High Performance Liquid Chromatographic Method for Quantitation of Quinidine in Serum 291

R. D. BUDD: Amphetamine Radioimmunoassay–Structure Versus Reactivity 299

R. D. BUDD, F. C. YANG, AND K. O. UTLEY: Barbiturates–Structure Versus RIA Reactivity 317

N. D. VAZIRI, R. THOMAS, M. STERLING, K. SEIFF, M. V. PAHL, J. DAVILA, AND A. WILSON: Toxicity with Intravenous Injection of Crude Marijuana Extract 353

S. N. VOGEL, T. R. SULTAN, AND R. P. TEN EYCK: Cyanide Poisoning 367

BRIEF COMMUNICATION

A. COUTSELINIS AND M. MICHALODIMITRAKIS: Acetylcholinesterase Activity after Hashish Smoking 385

LETTER TO THE EDITOR

A. COUTSELINIS AND M. MICHALODIMITRAKIS: Myocardial Infarction and Marijuana 389

Volume 18 Number 4 1981

N. VERBIESE-GENARD, M. VAN DAMME, M. HANOCQ, AND L. MOLLE: Toxicological Analysis of Phenylethylamines by High Performance Reversed-Phase Ion-Pair Partition Thin-Layer and Liquid Chromatographies 391

F. M. HASSAN, A. J. PESCE, P. SHENG, AND I. B. HANENSON: Correlation of Serum Pseudocholinesterase and Clinical Course in Two Patients Poisoned with Organophosphate Insecticides 401

S. V. CHANDRA, G. S. SHUKLA, R. S. SRIVASTAVA, H. SINGH, AND V. P. GUPTA: An Exploratory Study of Manganese Exposure to Welders 407

N. D. VAZIRI, J. STOKES, AND T. R. TREADWELL: Lactic Acidosis, A Complication of Papaverine Overdose 417

D. POWERS, N. D. VAZIRI, K. MUHALWAS, F. A. HUBBELL, M. WEBER, AND K. MIRAHMADI: Ticrynafen-Induced Acute Renal Failure 425

C. S. LEE, L. H. WANG, T. C. MARBURY, AND J. R. CADE: Hemodialysis for Acetaminophen Detoxification. 431

A. G. GALLANOSA, D. A. SPYKER, AND R. T. CURNOW: Diabetes Mellitus Associated with Autonomic and Peripheral Neuropathy after Vacor Rodenticide Poisoning: A Review . . 441

A. AKINTONWA: Potentiation of Nitrogen Mustard Toxicity by Narcotic Analgesic 451

D. SOHN AND J. BYERS III: Cost Effective Drug Screening in the Laboratory 459

J. C. GARRIOTT, E. FOERSTER, L. JUAREZ, F. DE LA GARZA, I. MENDIOLA, AND J. CUROE: Measurement of Toluene in Blood and Breath in Cases of Solvent Abuse 471

M. THUN AND R. D. KIMBROUGH: Fatal Chemical Pneumonia from 1,1,2,3,3-Pentafluoro-3-chloropropene in an Unmarked Gas Tank 481

S. D. BOYD, G. S. WASSERMAN, V. A. GREEN, G. W. WISE, D. ROBERTS, AND J. WILLIAMS: Lead Arsenate Ingestion in Eight Children. 489

P. BASSET, J. P. BERGERAT, J. M. LANG, F. OBERLING, AND B. GILLET: Hemolytic Anemia and Sulfhemoglobinemia Due to Phenacetin Abuse: A Case with Multivisceral Adverse Effects 493

NEWS ITEM 501

LETTER TO THE EDITOR 511

Volume 18 Number 5 1981

R. L. RUFF, C. K. PETITO, AND L. S. ACHESON: Neuropathy Associated with Chronic Low Level Exposure to n-Hexane . . 515

K. M. KOSHY AND F. H. LOVEJOY, JR.: Thallium Ingestion with Survival: Ineffectiveness of Peritoneal Dialysis and Potassium Chloride Diuresis 521

R. S. KAHN AND A. S. MANOGUERRA: Acute Poisoning with Thiazolidine Carboxylic Acid 527

G. L. WALDBOTT: Mass Intoxication from Accidental Over-fluoridation of Drinking Water 531

P. PENTEL AND L. SIORIS: Incidence of Late Arrhythmias Following Tricyclic Antidepressant Overdose 543

D. H. ZILM: Ethanol-Induced Spontaneous and Evoked EEG, Heart Rate, and Respiration Rate Changes in Man 549

J. M. SCHERRMANN, H. HOELLINGER, NGUYEN-HOANG-NAM, L. BOUDET, J. PICHON, AND DO-CAO-THANG: Detection and Quantitation of Cannabinoids in Biological Fluids: Specificity and Kinetics after Smoking 565

D. K. VEST: Envenomation Following the Bite of a Wandering Garter Snake (Thamnophis elegans vagrans) 573

E. G. COMSTOCK, T. P. FAULKNER, E. V. BOISAUBIN, D. A. OLSON, AND B. S. COMSTOCK: Studies on the Efficacy of Gastric Lavage as Practiced in a Large Metropolitan Hospital 581

M. B. NICOTRA, M. RIVERA, J. L. POOL, AND M. W. NOALL: Tricyclic Antidepressant Overdose: Clinical and Pharmacologic Observations 599

W. M. BENNETT AND R. S. MUTHER: Lack of Nephrotoxicity of Intravenous Dimethylsulfoxide 615

R. FRIEDENBERG AND J. GIBSON: Chemical Test Papers for the Clinical Laboratory: The New Frontier of "Solid Solution Chemistry" 619

E. G. COMSTOCK, G. FERNANDEZ, A. C. ESPONDA, H. DECEDO, AND J. PRONCZUK DE GARBINO: Toxicology and Clinical Toxicology in Uruguay 635

R. D. BUDD: Benzodiazepine Structure versus Reactivity with EMIT Oxazepam Antibody 643

BOOK REVIEW 657

Volume 18 Number 6 1981

M. LESNE, D. M. DEVOS, AND M. REYNAERT: Enterogastric Cycle and Intoxication with Hydroquinidine: A Case Report . . 659

A. G. GALLANOSA, D. A. SPYKER, J. R. SHIPE, AND D. L. MORRIS: Human Xylazine Overdose: A Comparative Review with Clonidine, Phenothiazines, and Tricyclic Antidepressants 663

V. HANSTEEN, D. JACOBSEN, K. KNUDSEN, Å. REIKVAM, AND B. SKUTERUD: Acute, Massive Poisoning with Digitoxin: Report of Seven Cases and Discussion of Treatment 679

M. M. McCARRON, G. P. GADDIS, AND A. T. TROTTER: Acute Yellow Phosphorus Poisoning from Pesticide Pastes . . 693

K. K. MIDHA, C. CHARETTE, I. J. McGILVERAY, D. WEBB, AND W. M. McLEAN: Application of GLC-AFID and GLC-MS Procedures to Analysis of Plasma in Suspected Cases of Psychotropic Drug Overdose 713

K. R. ZIMINSKI, T. J. MANNING, AND L. LUKASH: Separation of Organophosphate, Chlorinated, and Carbamate Insecticides Using Conventional and Reverse-Phase Thin-Layer Chromatography 731

D. M. DULIK AND W. H. SOINE: Color Test for Detection of 1-Piperidinocyclohexanecarbonitrile (PCC) in Illicit Phencyclidine 737

MEDICAL TOXICOLOGIST'S NOTEBOOK

J. FROOM, V. BOISSEAU, AND A. SHERMAN: Selective Screening for Lead Poisoning in an Urban Teaching Practice 743

COLLECTIVE CONTENTS TO VOLUME 18 1557

Volume 18 Number 7 1981

W. J. DECKER, D. G. CORBY, AND H. F. COMBS: A Stable Parenteral Solution of Apomorphine 763

R. D. BUDD: Cocaine Radioimmunoassay–Structure Versus Reactivity 773

R. D. BUDD: Methadone EMIT–Structure Versus Reactivity . . 783

G. LAPIERRE, G. ALGOZZINE, AND P. L. DOERING: Effect of Magnesium Citrate on the in Vitro Adsorption of Aspirin by Activated Charcoal 793

G. J. BURCKART, J. SNIDOW, AND W. BRUCE: Neutropenia Following Acute Chlorpromazine Ingestion 797

A. S. MANOGUERRA AND R. W. STEINER: Prolonged Neuromuscular Blockade after Administration of Physostigmine and Succinylcholine 803

M. N. CLARK: A Fatal Case of Iodine Poisoning 807

D. J. BOWER, R. J. HART, P. A. MATTHEWS, AND M. E. H. HOWDEN: Nonprotein Neurotoxins 813

L. CHIN, A. L. PICCHIONI, AND T. GILLESPIE: Saline Cathartics and Saline Cathartics Plus Activated Charcoal as Antidotal Treatments 865

EDITORIAL 873

NEWS ITEM 875

Volume 18 Number 8 1981

CONTRIBUTIONS BY MEMBERS OF THE CALIFORNIA ASSOCIATION OF TOXICOLOGISTS

C. B. WALBERG: An Ultraviolet Spectrophotometric Procedure for Differentiation and Quantitation of Barbiturates . 879

P. SEDGWICK, V. R. SPIEHLER, AND R. H. CRAVEY: Use of Digoxin Radioimmunoassay in Forensic Investigations of Tissue Distribution 887

G. R. NAKAMURA AND T. T. NOGUCHI: Fatalities from Cocaine Overdoses in Los Angeles County 895

G. R. JOHNSON: A Fatal Case Involving Pyrilamine 907

R. H. CRAVEY AND D. REED: Placental Transfer of Narcotic Analgesics in Man 911

L. A. RUSSELL, B. E. STONE, AND P. A. ROONEY: Paraquat Poisoning: Toxicologic and Pathologic Findings in Three Fatal Cases 915

D. O. CLARDY AND J. L. RAGLE: Stability of Phencyclidine in Stored Blood 929

S. ROCKOFF AND R. C. BASELT: Severe Carbamazepine Poisoning 935

D. REED: A Fatal Case Involving Chlorpheniramine 941

J. M. WHITE, D. O. CLARDY, M. H. GRAVES, M. C. KUO, B. J. MacDONALD, S. J. WIERSEMA, G. FITZPATRICK, AND D. S. PEARCE: Testing for Sedative-Hypnotic Drugs in the Impaired Driver: A Survey of 72,000 Arrests 945

H. L. WEINGARTEN AND E. J. CHERRY: A Chloroquine Fatality 959

R. F. SHAW: Distribution of Veterinarian Barbiturate Preparations in Human Subjects 965

REGULAR CONTRIBUTIONS

R. A. DERSHEWITZ AND L. G. NIEDERMAN: Ipecac at Home–A Health Hazard? 969

M. F. McFARLAND, III, AND J. McFARLAND: Accidental Ingestion of Podophyllum 973

D. F. THOMPSON: Management of Thallium Poisoning 979

C. C. WILLHITE: Inhalation Toxicology of Acute Exposure to Aliphatic Nitriles 991

G. SANGSTER, D. K. McCULLOCH, AND A. A. H. LAWSON: Medically Serious Self-Poisoning in West Fife, 1970-1979 . . 1005

Volume 18 Number 9 1981

F. N. PITTS, JR., R. E. ALLEN, O. ANILINE, AND L. S. YAGO: Occupational Intoxication and Long-Term Persistence of Phencyclidine (PCP) in Law Enforcement Personnel 1015

E. MASINI, P. BLANDINA, P. F. MANNAIONI, AND G. LUCIANI: Clonidine and Naloxone for Rapid Opiate Detoxication: Comparison between Treatments 1021

J. C. HARRIS, B. H. RUMACK, AND D. J. BREGMAN: Comparative Efficacy of Injectable Calcium and Magnesium Salts in the Therapy of Hydrofluoric Acid Burns 1027

R. D. BUDD: Phencyclidine (PCP)–Structure versus Reactivity. 1033

L. V. ALLEN, JR., AND M. L. STILES: Specificity of the EMIT Drug Abuse Urine Assay Methods. 1043

P. MAHIEU, J. P. BUCHET, H. A. ROELS, AND R. LAUWERYS: The Metabolism of Arsenic in Humans Acutely Intoxicated by As_2O_3. Its Significance for the Duration of BAL Therapy 1067

O. P. SHARMA, H. P. S. MAKKAR, R. K. DAWRA, AND S. S. NEGI: A Review of the Toxicity of Lantana camara (Linn) in Animals 1077

M. MICHALODIMITRAKIS, S. PARCHAS, AND A. COUTSELINIS: Fatal Hydantoin Syndrome: Congenital Malformation of the Urinary Tract–A Case Report 1095

H. M. GREEN AND W. J. DECKER: Intravenous Self-Administration of Propoxyphene Napsylate: Case Report and In-Vitro Studies 1099

A. O. ADAUDI AND F. W. OEHME: An Activated Charcoal Hemoperfusion System for the Treatment of Barbital or Ethylene Glycol Poisoning in Dogs. 1105

M. L. DE BARD AND J. A. JAGGER: "T's and B's"–Midwestern Heroin Substitute 1117

LETTER TO THE EDITOR 1125

Volume 18 Number 10 1981

EDITORIAL iii

INTERNATIONAL CONGRESS ON NEUROTOXICOLOGY

PREFACE ix

Epidemiology of Poisoning

F. GIUNTA, G. F. BRUNELLI, G. P. GIRON, P. GIUSTI, L. CIMA, M. BACCICONI, S. LAFISCA, AND M. MARIGO: Record of Hospitalized Acute Intoxication Cases: A Proposed Statistical-Epidemiological Form 1129

F. GIUNTA, M. CAPUZZO, E. PIZZIRANI, D. POLATO, G. P. GIRON, P. GIUSTI, L. CIMA, AND M. MARIGO: Sample Research of Hospitalized Acute Intoxication Cases Using an Epidemiological Form 1133

M. GOVAERTS-LEPICARD: Epidemiology in Childhood Poisoning: Implications in Prevention Planning 1145

L. BUFFONI, E. REBOA, A. GALLETTI, L. DE SANTIS, AND A. TARATETA: Epidemiological Aspects of Poisoning in Children Observed over a 10-Year Period 1149

E. MASINI, R. FANTOZZI, P. BLANDINA, F. LEDDA, F. MORONI, AND P. MANNAIONI: Epidemiological Survey of Intoxications in Florence in the Last Ten Years 1157

J. ARDITTI, J. M. DAVID, AND J. JOUGLARD: Epidemics of Intoxications through Neurotoxins in France. Examples of the Warning System in Antipoison Centers 1163

W. PENNING AND W. G. TOWN: Development of the Toxicological Files in Environmental Chemicals Data and Information Network (ECDIN) 1169

Hemoperfusion

S. OKONEK: Hemoperfusion in Toxicology. Basic Considerations of Its Effectiveness 1185

G. DE GROOT, R. A. A. MAES, AND A. N. P. VAN HEIJST: A Toxicological Evaluation of Different Adsorbents in Hemoperfusion 1199

C. BISMUTH, P. E. FOURNIER, AND M. GALLIOT: Biological Evaluation of Hemoperfusion in Acute Poisoning 1213

M. HELLIWELL AND E. ESSEX: Hemoperfusion in "Late" Paracetamol Poisoning 1225

COLLECTIVE CONTENTS TO VOLUME 18 1561

Volume 18 Number 11 1981

INTERNATIONAL CONGRESS ON NEUROTOXICOLOGY

PREFACE v

Toxicology of Metals

K. G. KJELLIN: Trace Elements in the Cerebrospinal Fluid in Neurological Diseases 1237

E. GROSS-SELBECK AND M. GROSS-SELBECK: Changes in Operant Behavior of Rats Exposed to Lead at the Accepted No-Effect Level 1247

J. M. GUERIT, M. MEULDERS, G. AMAND, H. A. ROELS, J. P. BUCHET, R. LAUWERYS, P. BRUAUX, F. CLAEYS-THOREAU, G. DUCOFFRE, AND A. LAFONTAINE: Lead Neurotoxicity in Clinically Asymptomatic Children Living in the Vicinity of an Ore Smelter 1257

L. M. SPECCHIO, R. BELLOMO, G. POZIO, F. DICUONZO, G. ASSENNATO, A. FEDERICI, G. MISCIAGNA, AND F. M. PUCA: Smooth Pursuit Eye Movements among Storage Battery Workers. 1269

G. MARTIN-BOUYER, G. FOULON, H. GUERBOIS, AND C. BARIN: Epidemiological Study of Encephalopathies Following Bismuth Administration per Os. Characteristics of Intoxicated Subjects: Comparison with a Control Group. . 1277

J. EMILE, J. M. DE BRAY, M. BERNAT, T. MORER, AND P. ALLAIN: Ostearticular Complications in Bismuth Encephalopathy. 1285

J. A. SZYMAŃSKA, A. J. ZELAZOWSKI, AND S. KAWIORSKI: Some Aspects of Bismuth Metabolism. 1291

D. CAMERINO, M. G. CASSITTO, E. DESIDERI, AND G. ANGOTZI: Behavior of Some Psychological Parameters in a Population of a Hg Extraction Plant 1299

D. O. MARSH, G. J. MYERS, T. W. CLARKSON, L. AMIN-ZAKI, S. TIKRITI, M. A. MAJEED, AND A. R. DABBAGH: Dose-Response Relationship for Human Fetal Exposure to Methylmercury. 1311

D. MITOLO-CHIEPPA: Effects of Methylmercury on the Electric Activity of the Node of Ranvier 1319

E. KOMSTA-SZUMSKA AND J. CHMIELNICKA: Organ and Subcellular Distribution of Mercury in Rats in the Presence of Cadmium, Zinc, Copper, and Sodium Selenite 1327

E. MARAFANTE, J. RADE, E. SABBIONI, F. BERTOLERO, AND V. FOÀ: Intracellular Interaction and Metabolic Fate of Arsenite in the Rabbit. 1335

L. MANZO, P. RICHELMI, E. SABBIONI, R. PIETRA, F. BONO, AND L. GUARDIA: Poisoning by Triphenyltin Acetate. Report of Two Cases and Determination of Tin in Blood and Urine by Neutron Activation Analysis 1343

Volume 18 Number 12 1981

INTERNATIONAL CONGRESS ON NEUROTOXICOLOGY

PREFACE v

Solvents

N. FRONTALI, M. C. AMANTINI, A. SPAGNOLO, A. M. GUARCINI, M. C. SALTARI, F. BRUGNONE, AND L. PERBELLINI: Experimental Neurotoxicity and Urinary Metabolites of the C_5-C_7 Aliphatic Hydrocarbons Used as Glue Solvents in Shoe Manufacture. 1357

F. BRAVACCIO, A. AMMENDOLA, L. BARRUFFO, AND S. CARLOMAGNO: H-Reflex Behavior in Glue (n-Hexane) Neuropathy 1369

L. PERBELLINI, F. BRUGNONE, AND E. GAFFURI: Neurotoxic Metabolites of "Commercial Hexane" in the Urine of Shoe Factory Workers 1377

R. SCELSI, P. POGGI, L. FERA, AND G. GONELLA: Industrial Neuropathy Due to n-Hexane. Clinical and Morphological Findings in Three Cases. 1387

Y. TAKEUCHI, Y. ONO, N. HISANAGA, J. KITOH, AND Y. SUGIURA: A Comparative Study of the Toxicity of n-Pentane, n-Hexane, and n-Heptane to the Peripheral Nerve of the Rat 1395

Therapeutic Agents

J. J. HAUW, J-M. MUSSINI, J. M. BOUTRY, R. ESCOUROLLE, S. POLLET, S. ALBOUZ, M. L. HARPIN, AND N. BAUMANN: Perhexiline Maleate Induced Lipidosis in Human Peripheral Nerve and Tissue Culture: Ultrastructural and Biochemical Changes. 1405

G. P. ROSE, A. J. DEWAR, B. J. MOFFETT, AND I. J. STRATFORD: A Biochemical Assessment of the Neurotoxicity of the Radiosensitizing Drug Misonidazole in the Rat 1411

R. HANAKAGO AND M. UONO: Clioquinol Intoxication Occurring in the Treatment of Acrodermatitis Enteropathica with Reference to SMON Outside of Japan. 1427

G. SOLDANI, M. DEL TACCA, AND C. BERNARDINI: Noradrenaline and Alpha Blockers in Daunomycin Cardiotoxicity 1435

Environmental and Industrial Neurointoxicants

A. MENEGUZ, G. M. BISSO, AND H. MICHALEK: Regional Differences in Brain-Soluble Acetylcholinesterase and Its Molecular Forms after Acute Poisoning by Isoflurophate in Rats 1443

J. P. CURTES, P. DEVELAY, AND J. P. HUBERT: Late Peripheral Neuropathy Due to an Acute Voluntary Intoxication by Organophosphorus Compounds 1453

A. COLOMBI, M. MARONI, O. PICCHI, E. ROTA, P. CASTANO, AND V. FOÀ: Carbon Disulfide Neuropathy in Rats. A Morphological and Ultrastructural Study of Degeneration and Regeneration 1463

M. MARONI, A. COLOMBI, R. GILIOLI, E. ROTA, G. DE PASCHALE, P. CASTANO, V. FOA, AND G. DUCA: Effects of Ganglioside Therapy on Experimental CS_2 Neuropathy 1475

Y. MILLET, J. JOUGLARD, M. D. STEINMETZ, P. TOGNETTI, P. JOANNY, AND J. ARDITTI: Toxicity of Some Essential Plant Oils. Clinical and Experimental Study. 1485

G. SCHAFER: Brain Energy Metabolism in Mice Exposed to Oxygen at 1 Atmosphere Absolute 1499

M. STREIFLER AND D. F. COHN: Chronic Central Nervous System Toxicity of the Chickling Pea (Latyrus sativus) . . . 1513

M. VINCENT, F. VINCENT, C. MARKA, AND J. FAURE: Cyanide and Its Relationship to Nervous Suffering. Physiopathological Aspects of Intoxication 1519

INDEX TO VOLUME 18 1529